

ABSTRACT

FOLDING RECTANGULAR PARALLELEPIPED BOX

The invention relates to a folding rectangular parallelepiped box (1) which opens at the top, comprising a base wall (3) and a rectangular upper frame (2), together with four side walls (4, 5), two facing walls, known as the first walls (5), being articulated to the base (3) or frame (2) while the other two facing walls, called the second walls (4), consisting of two leaves (40, 41) one of which is articulated to an axis (L_3) parallel to the base (3), are also articulated both to the base (3) and to the frame (2), this base (3) and said second walls (4) consisting of a single folded sheet (F_2), while the axes of articulation of said walls (4) to the base and to the frame (2), and of the leaves (40, 41) to one another, consist of fold lines (L_2 , L_3 , L_4).

According to the invention, the upper leaf (41) of the second walls (4) is extended by a reinforcing plate (42), this plate surrounding said frame (2) and being secured to the inner face of said upper leaf (41), in such a way that when the box is in the erect position, this plate (42) presses against the associated second wall (4), while in the folded position the lower part (420) of this plate (42) is detached from the second wall (4) and forms an inverted "Y" therewith.

FIGURE 2